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Anti-EPHA3 Antibody

Rabbit polyclonal antibody to EPHA3
Catalog # AP59547

Product Information

Application	WB
Primary Accession	P29320
Other Accession	P29319
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Bovine, Drosophila
Host	Rabbit
Clonality	Polyclonal
Calculated MW	110131

Additional Information

Gene ID	2042
Other Names	ETK; ETK1; HEK; TYRO4; Ephrin type-A receptor 3; EPH-like kinase 4; EK4; hEK4; HEK; Human embryo kinase; Tyrosine-protein kinase TYRO4; Tyrosine-protein kinase receptor ETK1; Eph-like tyrosine kinase 1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human EPHA3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	EPHA3
Synonyms	ETK, ETK1, HEK, TYRO4
Function	Receptor tyrosine kinase which binds promiscuously membrane- bound ephrin family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling (PubMed:11870224, PubMed:12794130). Highly promiscuous for ephrin-A ligands it binds preferentially EFNA5 (By similarity). Upon activation by EFNA5 regulates cell-cell adhesion, cytoskeletal organization and cell migration (PubMed:11870224). Also activated by EFNA1, inhibiting epithelial-to-mesenchymal transition of cardiac cells and playing a role in

	heart development (PubMed:12794130). Involved in the retinotectal mapping of neurons. May also control the segregation but not the guidance of motor and sensory axons during neuromuscular circuit development (By similarity).
Cellular Location	[Isoform 1]: Cell membrane; Single-pass type I membrane protein
Tissue Location	Widely expressed. Highest level in placenta.

Background

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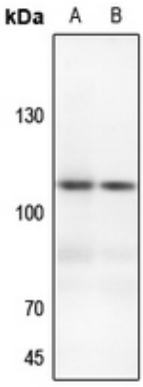
Images



Western blot analysis of EPHA3 expression in mouse liver (A), mouse kidney (B) whole cell lysates.